

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY

GOVERNOR

LYNDO TIPPETT
SECRETARY

MEMO TO: Roadway Design Project Engineers

Roadway Design Project Design Engineers

Hydraulics Project Engineers

Hydraulics Project Design Engineers

Division DDC Offices

FROM: Jay A. Bennett, PE, State Roadway Design Engineer

D. R. Henderson, PE, State Hydraulics Engineer

DATE: July 26, 2005

SUBJECT: Changes in CADD Design for Hydraulics

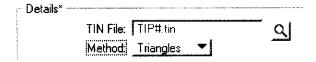
In order to eliminate conflicts from occurring in drawings sent to the permitting agencies from each unit, the Hydraulics Unit has requested the following changes to the CADD Design.

Slope Stake Lines at Stream Locations

Roadway Design will remove the slope stakes from the design file at the nearest even station around approach fills. Hydraulics will provide slope stakes in this area based on their computations.

Existing Ground Profile

In order for plans to match the permit drawings, Roadway Design will draw existing ground profiles using the 'Method of Triangles' instead of 'Method of Increment'.



This will create a more accurate representation of the ground line. Any discrepancies in the profile shall be worked out between the Hydraulic Engineer and the Roadway Engineer.

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Bridge Sketches:

Bridge sketches should be drawn in the plan sheet file (psh) and not in the design file (dsn). This will allow Hydraulics to reduce clutter when plotting permit drawings for the agencies.

These changes are effective immediately. If you have any questions please, contact me or Mr. Jim McMellon at 919-250-4016.

JAB/jm

cc: Art McMillan, PE
Ron Allen, PE
Dewayne Sykes, PE
Scott Blevins, PE
David Chang, PE
Bill Elam, PE
Jim McMellon, PE
Division Engineers